

**Regulatory area to be addressed****LOCOMOTIVE EMISSIONS**

Air pollution and climate change are challenges that know no boundaries. The U.S. EPA and Transport Canada will build on the already extensive collaboration and coordination between both governments to improve the alignment of greenhouse gas protocols and coordination on air pollutant regulations for locomotives.

**Work stream A**

Alignment of greenhouse gas protocols: Canada and the U.S. have been working together to align efforts to address greenhouse gas emissions from locomotives. Moving forward, Canada and the U.S. will work with key stakeholders to finalize a Canada-U.S. Voluntary Action Plan to Reduce Greenhouse Gas Emissions from Locomotives. This will provide a framework for working together into the future and include regular reporting on progress. Key elements of this work would include sharing of research on technologies and strategies to reduce greenhouse gas emissions through voluntary initiatives and to maintain regular engagement with key stakeholders.

	 United States	 Canada
Department/Agency	United States Environmental Protection Agency (U.S. EPA)	Transport Canada

Planned initiatives and sub-deliverables		Date
<b>Canada-U.S. voluntary Action Plan to reduce greenhouse gas emissions from locomotives</b>		
	<ul style="list-style-type: none"> <li>Finalize targets and measures to be included in the voluntary Action Plan</li> </ul>	Spring / Summer 2015
	<ul style="list-style-type: none"> <li>Release of the voluntary Action Plan for implementation</li> </ul>	Fall 2015
	<ul style="list-style-type: none"> <li>Prepare and publish annual reports on progress made under the voluntary Action Plan</li> </ul>	Annually
<b>Research on technologies and strategies to reduce greenhouse gas emissions</b>		
	<ul style="list-style-type: none"> <li>Joint research priorities to be determined as part of the voluntary Action Plan and opportunities will be sought to undertake joint research where appropriate</li> </ul>	Ongoing, starting in 2016
	<ul style="list-style-type: none"> <li>Share research findings among governments and stakeholders to advance scientific understanding and collaboration</li> </ul>	Ongoing, starting in 2016
<b>Stakeholder engagement on progress of Action Plan and research</b>		
	<ul style="list-style-type: none"> <li>Hold periodic teleconferences or webinars with</li> </ul>	At least one per year

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	interested stakeholders	
	<ul style="list-style-type: none"> <li>Collaborate with industry experts to help finalize the voluntary Action Plan</li> </ul>	Spring / Summer 2015

<b>Work stream B</b>	<p>Coordination on air pollutant regulations: Canada and the U.S. have been working together to align Canadian efforts to address air pollutant emissions from locomotives in a manner that is consistent with existing U.S. emission regulations. Regulations to reduce air pollutants from locomotives have been in place in the U.S. since 2000. Canadian regulations are currently under development and would align with the existing emission standards set out in the U.S. regulations. Improved coordination would be enabled through the establishment of mechanisms by which information and data would be shared. Work in this area would include coordination of regulatory agendas and joint work as required, sharing of research on technologies and procedures to reduce air pollutant emissions and exploring benefits and opportunities of increased data sharing and alignment.</p>
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Planned initiatives and sub-deliverables		Date
<b>Coordination on locomotive emissions regulations</b>		
	<ul style="list-style-type: none"> <li>Prepublication of Canadian locomotive emissions regulations to align with existing U.S. emissions standards</li> </ul>	2015
	<ul style="list-style-type: none"> <li>Ongoing discussion on regulatory agendas and joint work to align on emerging issues, as appropriate</li> </ul>	Ongoing
	<ul style="list-style-type: none"> <li>Ongoing consultation with stakeholders via regulatory process (e.g. Canada Gazette) and parallel engagement under work stream A</li> </ul>	Ongoing
<b>Sharing of locomotive emissions information and data</b>		
	<ul style="list-style-type: none"> <li>Explore benefits of increased data sharing between regulatory programs</li> </ul>	Fall 2015
	<ul style="list-style-type: none"> <li>Explore opportunities to align data collection methods</li> </ul>	Fall 2016
<b>Research on technologies and strategies to reduce air pollutant emissions</b>		
	<ul style="list-style-type: none"> <li>Undertake joint research where appropriate, emerging from the identification of new strategies and technological opportunities in the course of discussion between governments and with stakeholders</li> </ul>	Ongoing
	<ul style="list-style-type: none"> <li>Share research findings among governments and</li> </ul>	Ongoing

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	stakeholders to advance scientific understanding and collaboration	
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